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19 September 1956

MEMORANDUM FOR: THE RECORD

SUBJECT: Visit to [ ]

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1. Time and Place of Meetings: 10 and 11 September 1956, at [ ]

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2. Attendance: [ ]

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3. Discussion:

a. P-77 Projects -

For the first time since the undersigned has been project engineer to [ ] progress has been made on the seven day battery pack and on the 490 KC transmitters. The problem was one of packaging and the necessary boxes are now being made. The above is a result of an overall policy of [ ]. This policy is to finish up the old, low-priority projects. Lingered projects tend to have a demoralizing effect and also look bad on the record.

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The voltmeter relay and the power cord for the voltage regulator in the walnut case were turned over to the contractor. The instructions given the contractor were to install the voltmeter relay and then check to see if the J-163C is operating. After doing the above, the contractor is to do nothing until told otherwise. At this time, the field people appear to be completely up in the air as to which direction to go. This is why the contractor is standing pat.

The RS-1 receiver is being optimized after which work will begin on the transmitter.

b. AH-6, [ ] Project -

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The unit has been run for twelve days with no change in characteristics having taken place. The response through the cavity has been optimized but this has a very small effect on the system when the can is installed in the [ ]. The cavity of the [ ] is the limiting factor in the audio response. The system is going to be shipped to Washington on Monday, 17 September 1956.

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## c. AH-43, [ ] Project -

[ ] had visited [ ].  
The purpose of this visit to [ ] was to determine whether the mechanical or electronic switch was the more practical. Since neither switch at this time appears to have the specifications desired, it was felt that the Agency should decide what the specific time requirements are.

The undersigned informed the contractor of the possibility of wanting the transmitter [ ] felt the only major problem would be [ ] is to be repaired by some unwitting person. The undersigned informed him that it is expected that the maintenance will be handled by our own men. With this in mind, our problems are considerably lessened, for in the past, available power had been the governing factor, but now this problem is eliminated.

[ ] is going to meet with NBS on 20 September, to discuss ferrite antennas. This will apply to the project and others at [ ].

## d. AH-44, Carrier Current -

Parts are in for the building of six units; however, before the units are built either [ ] should look into the details of operating over the power lines or they should be given reports of what others have found out.

## e. P-163B, ST-2 -

The units are starting their environmental tests the week of 10 September 1956. [ ] was asked about the problems involved in building 40 ST-3's. He anticipated no major problems.

## f. P-163C, VHF Transmitter -

On 26 and 27 September, the undersigned will be briefed on the operation and maintenance of the J-163C transmitter and RC-1 converter. Production of the units is now underway.

## g. P-163D, One Watt Transmitter -

Development on this project has been held up due to work on P-163C. Work on this project should start shortly.

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h. P-177, [ ] -

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The [ ] that was requested was unobtainable from any dealer, and is no longer being produced. On 14 September, the undersigned informed the contractor to obtain a second-hand one, since there is an operational need for this model.

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## i. P-193, RT Transmitters and Receivers -

The undersigned brought back with him four RT-1 transmitters, one RT-1 receiver, two RT-2 transmitters, and two RT-2 receivers. These units will be given tests by APD to determine if there are any weaknesses that might be taken care of in the production which is to take place. The RT-2 units are of particular interest since they utilize the same circuitry the RT-1A production units will use. These RT-2's also have new connectors which are being considered.

[ ]  
TSS/APD

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## Distribution:

P-77-1  
AH-6-1  
AH-43-1  
AH-44-1  
P-163B-1  
P-163C-1  
P-163D-1  
P-177-1  
P-193-1  
Chrono

TSS/APD/AF/bf (19 Sept 56)